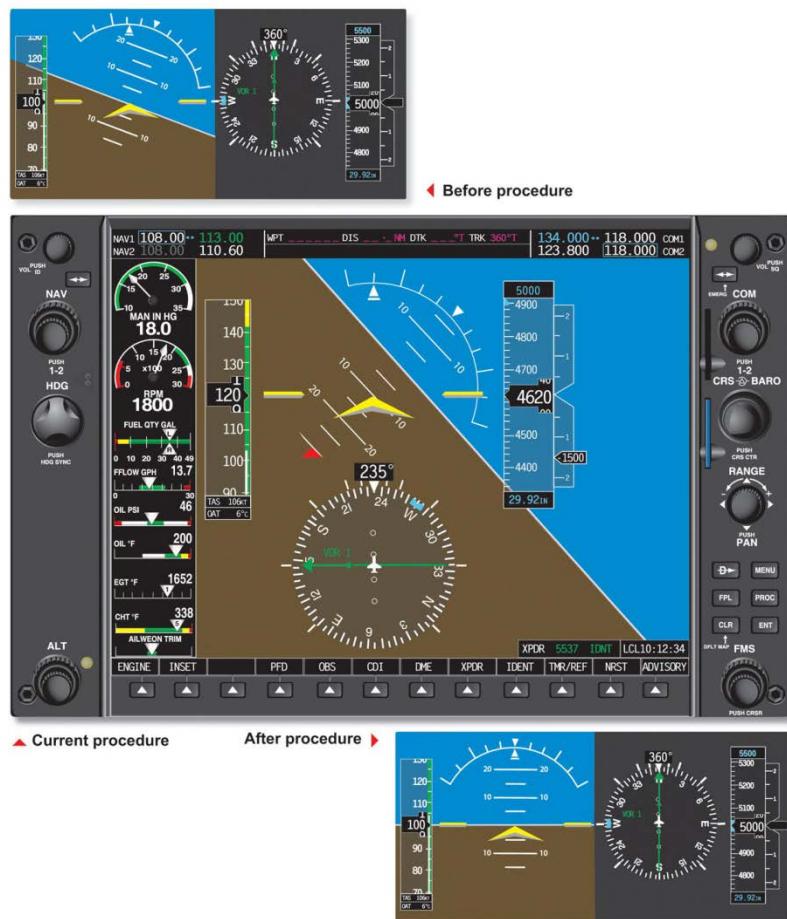


# INSTRUMENT RATING

and

# INSTRUMENT INSTRUCTOR RATING

## KNOWLEDGE TEST GUIDE



October 2016



U.S. Department of Transportation  
Federal Aviation Administration

## **INTRODUCTION**

FAA-G-8082-13, dated October 2016, Instrument Rating Knowledge Test Guide, provides information for preparing you to take one or all of the following airman knowledge tests. This document supersedes all previously dated FAA-G-8082-13 versions.

<b><u>Test Name</u></b>	<b><u>Test Code</u></b>
Instrument Rating—Airplane	IRA
Instrument Rating—Helicopter	IRH
Instrument Rating—Foreign Pilot	IFP
Instrument Rating Canadian Conversion—Airplane	ICP
Flight Instructor Instrument—Airplane	FII
Flight Instructor Instrument—Helicopter	FIH
Flight Instructor Instrument—Airplane (Added Rating)	AIF
Flight Instructor Instrument—Helicopter (Added Rating)	HIF
Ground Instructor—Instrument	IGI

Federal Aviation Administration (FAA) airman knowledge tests are effective instruments for aviation safety and regulation compliance measurement. However, these tests can only sample the vast amount of knowledge every pilot needs to operate safely in the National Airspace System (NAS).

Comments may be emailed to [AFS630Comments@faa.gov](mailto:AFS630Comments@faa.gov).

## **KNOWLEDGE TEST ELIGIBILITY REQUIREMENTS**

If you are pursuing an instrument rating, you should review the appropriate sections of Title 14 of the Code of Federal Regulations (14 CFR) part 61 for instrument rating requirements.

For a summary of knowledge test eligibility requirements for all certification areas listed above, refer to the FAA Airman Knowledge Testing Authorization Matrix located at [http://www.faa.gov/training\\_testing/testing/media/testing\\_matrix.pdf](http://www.faa.gov/training_testing/testing/media/testing_matrix.pdf).

## **KNOWLEDGE AREAS ON THE TESTS**

To be eligible to take an instrument rating knowledge test, you must have received ground instruction, or have logged home study in all the following areas:

- The 14 CFR parts that apply to flight under instrument flight rules (IFR) conditions, the Aeronautical Informational Manual (AIM), and the IFR air traffic system and procedures.
- Dead reckoning appropriate to IFR navigation using various navigation systems. The use of IFR Enroute and approach procedure charts.
- The procurement and use of aviation weather reports and forecasts, and the elements of forecasting weather trends on the basis of that information and personal observation of weather conditions.
- The safe and efficient operation of aircraft, as appropriate, under instrument weather conditions.

The Instrument Flight Instructor and Instrument Ground Instructor Knowledge Tests cover the same subject areas. The instructor applicant is expected to have an in-depth knowledge of these areas in order to test.

## DESCRIPTIONS OF THE TESTS

All test questions are the objective, multiple-choice type. Each question can be answered by the selection of a single response. Each test question is independent of other questions; therefore, a correct response to one does not depend upon, or influence, the correct response to another. **The minimum passing score is 70 percent.**

The following tests each contain 60 questions, and you are allowed 2 hours and 30 minutes to complete each test.

- Instrument Rating—Airplane
- Instrument Rating—Helicopter

The following tests each contain 50 questions, and you are allowed 2 hours and 30 minutes to complete each test.

- Instrument Flight Instructor—Airplane
- Instrument Flight Instructor—Helicopter
- Ground Instructor—Instrument
- Instrument Rating—Foreign Pilot

The following tests each contain 40 questions, and you are allowed 2 hours to complete each test.

- Instrument Rating Canadian Conversion—Airplane

Added instrument instruction rating tests each contain 20 questions, and you are allowed 1 hour to complete each test.

- Instrument Flight Instructor—Airplane (Added Rating)
- Instrument Flight Instructor—Helicopter (Added Rating)

## TEST REGISTRATION

The FAA has designated two Airman Knowledge Testing (AKT) Organization Designation Authorization (ODA) Holders, which sponsor hundreds of knowledge testing center locations. These testing centers offer a full range of airman knowledge tests including: Aircraft Dispatcher, Airline Transport Pilot, Aviation Maintenance Technician, Commercial Pilot, Flight Engineer, Flight Instructor, Flight Navigator, Ground Instructor, Inspection Authorization, Instrument Rating, Parachute Rigger, Private Pilot, Recreational Pilot, Sport Pilot and Military Competence. Contact information for the AKT ODA Holders is provided below under Knowledge Test Centers.

The first step in taking a knowledge test is the registration process. You may either call a central registration phone number or appear at a testing center on a walk-in basis. If you choose to use a central registration phone number to schedule your test, you will need to be prepared to select a test date, choose a testing center, and make financial arrangements for test payment. You may register for tests several weeks in advance, and you may cancel your appointment according to the AKT ODA Holder's cancellation policy. If you do not follow the AKT ODA Holder's cancellation policies, you could be subject to a cancellation fee.

## **APPLICANT IDENTIFICATION AND TEST AUTHORIZATION**

The next step in taking a knowledge test is providing proper identification. You should determine what knowledge test prerequisites are necessary before going to the computer-testing center. Your instructor or local FAA Flight Standards District Office (FSDO) may advise you regarding the documentation required to be presented at the testing facility. Testing center personnel will not begin the test until your identification and eligibility is verified.

Acceptable forms of authorization and retesting procedures are available in the latest version of the Applicant Identification, Information, Verification, & Authorization Requirements Matrix located at [http://www.faa.gov/training\\_testing/testing/media/testing\\_matrix.pdf](http://www.faa.gov/training_testing/testing/media/testing_matrix.pdf).

## **TEST TAKING TIPS**

Prior to launching the actual test, the AKT ODA Holder's testing software will provide you with an opportunity to practice navigating through the test. This practice (or tutorial) session may include a "sample" question(s). These sample questions have no relation to the content of the test, but are meant to familiarize you with the look and feel of the system screens, including selecting an answer, marking a question for later review, time remaining for the test, and other features of the testing software.

When taking a test, keep the following points in mind:

- Carefully read the instructions given with the test.
- Answer each question in accordance with the latest regulations and guidance publications.
- Read each question carefully before looking at the answer options. You should clearly understand the problem before attempting to solve it.
- After formulating an answer, determine which answer option corresponds with your answer. The answer you choose should completely resolve the problem.
- From the answer options given, it may appear that there is more than one possible answer; however, there is only one answer that is correct and complete. The other answers are either incomplete, erroneous, or derived from popular misconceptions.
- If a certain question is difficult for you, it is best to mark it for review and proceed to the next question. After you answer the less difficult questions, return to those you marked for review and answer them. The review marking procedure will be explained to you prior to starting the test. Although the computer should alert you to unanswered questions, make sure every question has an answer recorded. This procedure will enable you to use the available time to maximum advantage.
- When solving a calculation problem, select the answer that most nearly matches your solution. The problem has been checked by various individuals and with different types of calculators; therefore, if you have solved it correctly, your answer will be closer to the correct answer than any of the other choices.
- For graph type questions, the applicant may request a printed copy of the graph on which they may actually draw and write to compute the answer. The applicant must turn in all paper work upon completion of the test.

## **USE OF TEST AIDS AND MATERIALS**

You may use aids, reference materials, and test materials within the guidelines listed below, as long as, actual test questions or answers are not revealed. All models of aviation-oriented calculators may be used, including small electronic calculators that perform only arithmetic functions (add, subtract, multiply,

and divide). Simple programmable memories, which allow addition to, subtraction from, or retrieval of one number from the memory, are permissible. Also, simple functions, such as square root and percent keys are permissible.

The following guidelines apply:

1. You may use any reference materials provided with the test. In addition, you may use scales, straightedges, protractors, plotters, navigation computers, log sheets, and electronic or mechanical calculators that are directly related to the test.
2. Manufacturer's permanently inscribed instructions on the front and back of such aids (e.g., formulas, conversions, regulations, signals, weather data, frequencies, weight-and-balance formulas) are permissible.
3. Testing centers may provide a calculator to you and/or deny use of your personal calculator based on the following limitations:
  - a. Prior to, and upon completion of the test, while in the presence of the Unit Member (formerly referred to as proctor), you must actuate the ON/OFF switch and perform any other function that ensures erasure of any data stored in memory circuits.
  - b. The use of electronic calculators incorporating permanent or continuous type memory circuits without erasure capability is prohibited. The Unit Member may refuse the use of your calculator when unable to determine the calculator's erasure capability.
  - c. Printouts of data must be surrendered at the completion of the test if the calculator incorporates this design feature.
  - d. The use of magnetic cards, magnetic tapes, modules, computer chips, or any other device upon which pre-written programs or information related to the test can be stored and retrieved is prohibited.
  - e. You are not permitted to use any booklet or manual containing instructions related to use of test aids.
4. Dictionaries are not allowed in the testing area.
5. The Unit Member makes the final determination relating to test materials and personal possessions you may take into the testing area.

## **TESTING PROCEDURES FOR APPLICANTS REQUESTING SPECIAL ACCOMMODATIONS**

If you are an applicant with a learning or reading disability, you may request approval from AFS-630, through the local FSDO or IFO, to take an airman knowledge test using one of the three options listed below, in preferential order:

- Option 1. Use current testing facilities and procedures whenever possible.
- Option 2. You may use a self-contained, electronic device which pronounces and displays typed-in words (e.g., the Franklin Speaking Wordmaster®) to facilitate the testing process. (NOTE: The device should consist of an electronic thesaurus that audibly pronounces typed-in words and presents them on a display screen. The device should also have a built-in headphone jack for private listening in order to avoid disturbing others during testing.)
- Option 3. If you do not choose to use the first or second option, you may request Unit Member assistance in reading specific words or terms from the test questions and/or supplement book. In the interest of preventing compromise of the testing process, the Unit Member must be an individual with no aviation background or expertise. The Unit Member must provide reading assistance only, with no explanation of words or terms. When this option is requested, the FSDO or IFO inspector must contact the Airman Testing Standards Branch (AFS-630) for assistance in selecting the test site and assisting Unit Member.

Prior to approval of any option, the FSDO or IFO Aviation Safety Inspector must advise you of the regulatory certification requirement of being able to read, write, speak, and understand the English language.

## **CHEATING OR OTHER UNAUTHORIZED CONDUCT**

Computer testing centers must follow strict security procedures to avoid test compromise. These procedures are established by the FAA and are covered in FAA Order 8080.6 (as amended), Conduct of Airman Knowledge Tests. The FAA has directed testing centers to terminate a test at any time a test Unit Member suspects a cheating incident has occurred. An FAA investigation will then be conducted. If the investigation determines that cheating or unauthorized conduct has occurred, then any airman certificate or rating that you hold may be revoked, and you may be prohibited for 1 year from applying for or taking any test for a certificate or rating under 14 CFR part 61.

Learning statements, as used in airman knowledge testing, refer to a measurable level of knowledge a student should be able to demonstrate following a defined element of training. The most current Learning Statement Reference Guide for Airman Knowledge Testing is online at [http://www.faa.gov/training\\_testing/testing/media/LearningStatementReferenceGuide.pdf](http://www.faa.gov/training_testing/testing/media/LearningStatementReferenceGuide.pdf).

We provide learning statements to help instructors and students become more familiar with the areas of knowledge applicable to the airman training, learning, studying, and testing processes.

Beyond serving as a useful reference in preparing for your airman knowledge test, the Learning Statement Reference Guide will assist you and your instructor in interpreting any learning statement codes that may appear on your Airman Knowledge Test Report. You will receive a test report immediately upon completion of the test. This report will list learning statement codes for any questions you may have answered incorrectly. You and your instructor should match the codes on the test report to the information in the Learning Statement Reference Guide in order to obtain the corresponding areas of knowledge deficiency.

Your instructor may be required to provide instruction on each of the areas of deficiency, and to provide a logbook or training record endorsement certifying you have demonstrated satisfactory knowledge in each area. Also, you must present the *original* Airman Knowledge Test Report to the examiner conducting your practical test. During the practical test, the examiner will refer to the learning codes and statements to evaluate your knowledge in the noted areas of deficiency

## **REQUESTING YOUR TEST BE HAND-SCORED**

If you wish to have your test hand-scored, you must submit a request, in the form of a signed letter, to the Airman Testing Standards Branch, AFS-630. The request must be accompanied by a copy of your Airman Knowledge Test Report and a legible photocopy of a government issued identification with your photograph and signature. Mail or fax this information to: (e-Mail requests are not accepted due to security issues.)

Federal Aviation Administration  
Airman Testing Standards Branch, AFS-630  
P.O. Box 25082  
Oklahoma City, OK 73125  
Or Fax to: 405 954-4748

**Note:** *If you have comments regarding test questions, test procedures, or supplemental material content, please email AFS-630 at [AFS630Comments@faa.gov](mailto:AFS630Comments@faa.gov).*

## AIRMAN KNOWLEDGE TEST REPORTS

Upon completion of the knowledge test, you will receive your Airman Knowledge Test Report, which reflects your score. The test report will be stamped with the testing center's raised/embossed seal.

The Airman Knowledge Test Report must be presented to the examiner prior to taking the practical test. During the oral portion of the practical test, the examiner is required to evaluate the noted areas of deficiency.

Should you require a duplicate Airman Knowledge Test Report due to loss or destruction of the original, send a signed request accompanied by a check or money order for \$1.00, payable to the FAA. Send the request to:

Federal Aviation Administration  
Airmen Certification Branch, AFS-760  
P.O. Box 25082  
Oklahoma City, OK 73125

Airman Knowledge Test Reports are valid for the 24-calendar month period following the month you complete the practical test. **If the Airman Knowledge Test Report expires before completion of the practical test, you must retake the knowledge test.**

## TRAINING AND TESTING PUBLICATIONS AND GENERAL INFORMATION

Most of the current Flight Standards Service airman training and testing publications can be obtained in electronic format from the FAA Website, [www.faa.gov](http://www.faa.gov). The training and testing publications and general information can be found on the opening page of that Website under the Training and Testing tab. If a publication is not available in electronic format, there are instructions for obtaining paper copies. Information found on the Website includes the following:

- Advisory Circulars
- Airworthiness Directives
- Code of Federal Regulations
- Computer Testing Supplements
- Knowledge Test Centers
- Sample Knowledge Test questions
- Knowledge Test Statistics
- Learning Statement Reference Guide
- Practical Test Standards
- Training Handbooks
- Type Certificate Data Sheets

### **Advisory Circulars**

Advisory circulars (ACs) provide guidance and information on various subjects related to airman certification.

## Airworthiness Directives

Airworthiness Directives (ADs) are notifications to aircraft owners of a known safety deficiency with a specific model of aircraft, engine, avionics, or other system.

## Code of Federal Regulations

The portion of 14 CFR containing what was formerly known as the Federal Aviation Regulations can be found on the Website. 14 CFR contains regulations designed to promote aviation safety, and govern all aviation activities in the United States.

## Computer Testing Supplements

The knowledge testing supplements contain the graphics, legends, and maps that are needed to successfully respond to certain knowledge test items. ODA test center personnel will provide these supplements during the airman knowledge test. You can review them prior to testing at [http://www.faa.gov/training/testing/test\\_questions/media/FAA-CT-8080-3E.pdf](http://www.faa.gov/training/testing/test_questions/media/FAA-CT-8080-3E.pdf). Marking in the supplement book is prohibited; however, you may request a photo copy of any figure either before or during your exam. This marked or unmarked copy must be returned to the proctor at the end of the exam.

## Knowledge Test Centers

The Knowledge Test Centers portion of the Website contains current listings of Airman Knowledge Testing (AKT) Organization Designation Authorization (ODA) Holders and other testing centers, and the registration telephone numbers to call to register for a test.

The following is a list of the ODA holders authorized to give FAA airman knowledge tests. This list should be helpful in case you choose to register for a test or simply want more information.

- █ **[Computer Assisted Testing Service \(CATS\)](#)**

777 Mariners Island Blvd., Suite 200

San Mateo, CA 94404

**Applicant inquiry and test registration: 1-800-947-4228**

From outside the U.S. (650) 259-8550

- █ **[PSI](#)**

16821 SE McGillivray Blvd., Suite 201

Vancouver, WA 98683

**Applicant inquiry and test registration: 1-800-211-2753 or 1-800-211-2754**

From outside the U.S. (360) 896-9111

## Knowledge Test Questions

Sample questions are located in the Airman Knowledge Test Questions section of the Website and represent the types of questions included in the actual test banks. Practicing these questions will help you become familiar with similar questions on the airman knowledge tests. The knowledge test is not designed to intimidate any prospective airman; it is designed to measure an applicant's understanding of the rules, regulations and knowledge areas required to receive an FAA certificate.

## Knowledge Test Statistics

Test statistics for all airman knowledge tests are contained in a series of tables organized by year and subject area. Individual tables are provided for the following subject areas: test volume, pass rates, average test scores, countries, regions, and district offices.

## **Knowledge Test Statistics**

The Practical Test Standards outline the knowledge and skill requirements for each airman certificate and rating. The references listed in each task of the Practical Test Standards indicate the specific publications used to develop the skill standards. The ability to issue immediate changes prior to publishing revised printed copies ensures the Practical Test Standards are always accurate and usable.

## **Training Handbooks**

The training handbooks are the basic information sources an airman applicant should refer to when preparing for the knowledge and practical tests for a specific certificate or rating.

## **Classification Code**

Topic, Content and Specific (TCS) codes listed in this guide are NOT a description of the Learning Statement Codes (LSC) found in the 'Learning Statement Reference Guide for Airman Knowledge Testing' document, but are a hierarchical sequence of classification codes placing a question in a unique category. FAA knowledge test question development uses the following hierarchy:

- Topic— Overall subject matter topic code. The highest classification of overall subject matter a knowledge test item was developed to assess (e.g., Aerodynamics).
- Content—Secondary level subject matter code (e.g., Airspeed).
- Specific—the basic hierarchical classification code the subject matter for a knowledge test item (e.g., Thrust).

## **References Appendix**

The knowledge tests for Instrument Rating exams are based on the following references.

14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors

14 CFR part 91 General Operating and Flight Rules

14 CFR part 97 Standard Instrument Procedures

49 CFR part 830 Notification and Reporting of Aircraft Accidents

AC 00-45 - Aviation Weather Services

AC 00-54 - Pilot Wind Shear Guide

AC 00-6 - Aviation Weather

AC 120-58 - Pilot Guide for Large Aircraft Ground Deicing

AC 91-43 - Unreliable Airspeed Indication

AC 91-51 - Effect of Icing on Aircraft Control and Airplane Deice and Anti-Ice Systems

AC 91-74 – Pilot Guide: Flight in Icing Conditions

Aeronautical Information Manual

Chart Supplements U.S.

FAA-H-8083-15 - Instrument Flying Handbook

FAA-H-8083-2 - Risk Management Handbook

FAA-H-8083-21 - Rotorcraft Flying Handbook

FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge

FAA-H-8083-3A - Airplane Flying Handbook

FAA-H-8083-6 – Advanced Avionics Handbook

FAA-H-8261-1 - Instrument Procedures Handbook

IFR Enroute Low Altitude Chart

Instrument Approach Procedure Charts

STARs – Standard Terminal Arrivals

U.S. Terminal Procedures

**Note:** The latest revision of these references should be used.

**Instrument Rating—Airplane (IRA)  
Sample Questions**

## INSTRUMENT RATING—AIRPLANE (IRA)

### 1. If you experience tunnel vision and cyanosis you may have symptoms of

- A—hypoxia.
- B—hyperventilation.
- C—carbon monoxide poisoning.

Answer: A.

Learning Statement: Recall physiological factors - cause / effects of hypoxia.

### 2. ATC can issue a STAR

- A—to all pilots wherever STARs are available.
- B—only if the pilot requests a STAR in the ‘Remarks’ section of the flight plan.
- C—when ATC deems it appropriate, unless the pilot requests ‘No STAR.’

Answer: C.

Learning Statement: Recall ATC - system / services.

### 3. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

Answer: C.

Learning Statement: Recall altimeter-settings/setting procedures.

### 4. How can you obtain the pressure altitude on flights below 18,000 feet?

- A—Set your altimeter to 29.92 inches H<sub>g</sub> and read the pressure altitude on the instrument face.
- B—Set your altimeter to the field elevation and read the pressure altitude from the Kollsman window.
- C—Contact an ATC facility FSS and request the current pressure altitude for the area.

Answer: A.

Learning Statement: Interpret altimeter-readings/settings.

### 5. If while in level flight, it becomes necessary to use an alternate source of static pressure vented inside the airplane, which of the following variations in instrument indications should the pilot expect?

- A—The altimeter will read lower than normal, airspeed lower than normal, and the VSI will momentarily show a descent.
- B—the altimeter will read higher than normal, airspeed greater than normal, and the VSI will momentarily show a climb.
- C—The altimeter will read lower than normal, airspeed greater than normal, and the VSI will momentarily show a climb and then a descent.

Answer: B.

Learning Statement: Recall pitot-static system-components/operating principles/characteristics.

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE INSTRUMENT RATING—AIRPLANE (IRA)

<b>Topic</b>	<b>Content</b>	<b>Specific</b>
<b>PLT002</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	En Route	CAS Calculations
<b>PLT004</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Charts	Descent rates
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Flight Planning	Enroute
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	En Route	CAS Calculations
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
IFR Flight Operations	Flight Instrumentation	Instrumentation
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Pilot Controller Glossary
Flight Operations	Approach	Side-Step Maneuver
IFR Flight Operations	IFR	ATC communications
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Communications	Terminology
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT047</b>		
<a href="#">FAA-H-8083-6 - Advanced Avionics Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT049</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
<b>PLT051</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
<b>PLT052</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Departure procedures
IFR Flight Operations	IFR	Departure procedures
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Departure	Departure Procedures Charts
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Flight Operations	Emergency Procedures	Lost Communications

**PLT058**[14 CFR part 91 General Operating and Flight Rules](#)

Publications	Aeronautical Charts	IFR En Route
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[IFR Enroute Low Altitude Chart](#)

Navigation	Radio	VOR
Publications	Aeronautical Charts	IFR En Route

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	DME
Publications	Aeronautical Charts	IFR En Route

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP		En route charts
Instrument Procedures	En Route	VFR on Top
Navigation	Radio	VOR
Publications	Aeronautical Charts	IFR En Route

**PLT059**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Aeronautical Weather Reports	METAR
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**PLT061**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Aeronautical Weather Reports	PIREP
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[Aeronautical Information Manual](#)

Weather Information	Hazardous	Icing
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**PLT068**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Charts / Maps	High-Level Significant Weather Prog
Weather Information	Charts / Maps	Low-Level Significant Weather Prog

**PLT075**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Charts / Maps	Weather Depiction Charts
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**PLT076**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
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**PLT077**[U.S. Terminal Procedures](#)

Publications	Aeronautical Charts	Terminal Procedures
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**PLT078**[Chart Supplements U.S.](#)

IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
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[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
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**PLT079**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	En Route	Altitudes
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**PLT080**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Publications	Aeronautical Charts	Terminal Procedures
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**PLT082**[14 CFR part 91 General Operating and Flight Rules](#)

Instrument Procedures	Approach Procedures	Minimums
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**PLT083**[Aeronautical Information Manual](#)

IFR En Route and Approach Charts FLIP

Instrument Procedures	Approach Procedures	Approach charts
Instrument Procedures	Approach Procedures	Course Reversal
Instrument Procedures	Approach Procedures	Descent
Instrument Procedures	Approach Procedures	GPS
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	Approach Procedures	Minimums
Publications	Aeronautical Charts	Terminal Procedures

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	Approach Procedures	Missed Approach
Publications	Aeronautical Charts	IFR En Route
Publications	Aeronautical Charts	Terminal Procedures

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP

Publications	Aeronautical Charts	Approach charts
Publications	Aeronautical Charts	Terminal Procedures

[FAA-H-8083-21 - Helicopter Flying Handbook](#)

Publications	Aeronautical Charts	Terminal Procedures
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[FAA-H-8083-6 - Advanced Avionics Handbook](#)

IFR En Route and Approach Charts FLIP

Approach charts
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[U.S. Terminal Procedures](#)

Instrument Procedures	Approach Procedures	Minimums
Publications	Aeronautical Charts	Terminal Procedures

**PLT086**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	Basic Flight Instruments	Turn-and-Slip Indicator
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**PLT088**[AC 91-43 - Unreliable Airspeed Indication](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
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[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
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**PLT090**[IFR Enroute Low Altitude Chart](#)

Navigation	Radio	VOR
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[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	VOR
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[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Navigation	Radio	VOR
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**PLT091**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	VOR
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

IFR Navigation and Approaches	Navigation Systems	VOR
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**PLT100**[Aeronautical Information Manual](#)

IFR Flight Operations	IFR	ATC communications
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Publications	Aeronautical Charts	IFR En Route
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[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Publications	AIM	Navigation Aids
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**PLT102**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Publications	Aeronautical Charts	Terminal Procedures
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[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP

Approach charts
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[STARs - Standard Terminal Arrivals](#)

Publications	Aeronautical Charts	Terminal Procedures
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**PLT104**[FAA-H-8083-2 - Risk Management Handbook](#)

Aeronautical Decision Making	Human Factors	Aeromedical
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**PLT105**[AC 00-6 - Aviation Weather](#)

Critical Weather and Windshear	Avoidance	Radar
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Critical Weather and Windshear	Detection	Radar
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**PLT118**[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Attitude Indicator

**PLT120**[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Weather Information	Meteorology	Turbulence
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**PLT125**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	Altitude Instrument Flying	Descent
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**PLT128**[AC 91-74 - Pilot Guide: Flight in Icing Conditions](#)

Flight Operations	Approach	Icing Conditions
Flight Operations	Cruise	Autopilot Operation
Safe IFR Operations	Aircraft Systems	Icing encounters
Weather Information	Hazardous	Icing

[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	IFR	Hazards
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**PLT133**[Aeronautical Information Manual](#)

Instrument Procedures	En Route	Climb
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**PLT141**[Aeronautical Information Manual](#)

IFR Flight Operations	IFR	Airport lights
IFR Flight Operations	IFR	Airport markings and signs

**PLT144**[FAA-H-8083-3 - Airplane Flying Handbook](#)

IFR Flight Operations	IFR	Hazards
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**PLT147**[Aeronautical Information Manual](#)

IFR Flight Operations	IFR	Airport lights
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**PLT161**[14 CFR part 91 General Operating and Flight Rules](#)

Instrument Procedures	En Route	VFR on Top
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
Regulations IFR	14CFR Part 91	Instrument Rating

[Aeronautical Information Manual](#)

AIM IFR Information	Airspace	Class B
AIM IFR Information	Airspace	Class C
AIM IFR Information	Airspace	Class D
AIM IFR Information	Airspace	Special use airspace
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		

[Regulations IFR](#)

14CFR Part 91

Clearance / Fight Plan

**PLT162**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR	14CFR Part 91	Instrument Rating
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[Aeronautical Information Manual](#)

AIM IFR Information	Airspace	Class E
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**PLT163**[14 CFR part 91 General Operating and Flight Rules](#)

Instrument Procedures	En Route	VFR on Top
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**PLT165**[AC 00-6 - Aviation Weather](#)

Weather Information	Meteorology	Temperature
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[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	Flight Instrumentation	Altimeter
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**PLT166**[14 CFR part 91 General Operating and Flight Rules](#)

Instrument Procedures	En Route	Altimeter Settings
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[Aeronautical Information Manual](#)

IFR Flight Operations	IFR	IFR altitudes
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[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
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<b>PLT167</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT170</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Instrument Procedures	Approach Procedures	Missed Approach
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR En Route and Approach Charts FLIP		
Instrument Procedures	Approach Procedures	Approach charts
Instrument Procedures	Approach Procedures	Approach Category
Instrument Procedures	Approach Procedures	Course Reversal
Instrument Procedures	Approach Procedures	Descent
Instrument Procedures	Approach Procedures	ILS
Instrument Procedures	Approach Procedures	Minimums
Instrument Procedures	Approach Procedures	Missed Approach
Instrument Procedures	Approach Procedures	Radar Approach
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR En Route and Approach Charts FLIP		Approach charts
<a href="#"><u>FAA-H-8083-3 - Airplane Flying Handbook</u></a>		
Safe IFR Operations	IFR Procedures	Approaches
<b>PLT171</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT172</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	Weather Avoidance Assistance
Instrument Procedures	Approach Procedures	Radar
Instrument Procedures	Approach Procedures	Radar Approach
Instrument Procedures	Approach Procedures	Visual / Contact
Instrument Procedures	En Route	Climb
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Airport operations
<b>PLT173</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Air Masses
Weather Information	Meteorology	Stability
<b>PLT185</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrument failures
IFR Flight Operations	Flight Instrumentation	Supporting instruments
IFR Flight Operations	IFR	Standard rate turn
Instrument Procedures	Attitude Instrument Flying	Airspeed Changes
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
Safe IFR Operations	IFR Procedures	Basic flight skills
<b>PLT186</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT187</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
Instrument Procedures	Basic Flight Instruments	Turn Coordinator
Instrument Procedures	Basic Flight Instruments	Turn-and-Slip Indicator
<b>PLT192</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Clouds
<b>PLT196</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Aeronautical Weather Reports	ATIS
<b>PLT201</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts

**PLT202**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	DME
Navigation	Radio	DME ARC

**PLT203**[AC 00-6 - Aviation Weather](#)

Weather Information	Meteorology	Atmosphere
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**PLT208**[Aeronautical Information Manual](#)

Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications

**PLT215**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	Basic Flight Instruments	Magnetic Compass
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Magnetic Compass

**PLT222**[Aeronautical Information Manual](#)

IFR Flight Operations	IFR	Airport operations
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**PLT224**[Aeronautical Information Manual](#)

Instrument Procedures	Departure	Departure Procedures Charts
Instrument Procedures	Flight Planning	Flight Plan

**PLT226**[AC 00-6 - Aviation Weather](#)

Weather Information	Meteorology	Fog
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**PLT248**[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	IFR	Standard rate turn
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**PLT263**[AC 00-6 - Aviation Weather](#)

Weather Information	Meteorology	Turbulence
Weather Information	Meteorology	Windshear

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Weather Information	Meteorology	Turbulence
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information	Meteorology	Turbulence
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**PLT274**[AC 91-51 - Effect of Icing on Aircraft](#)

Weather Information	Hazardous	Icing
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[AC 91-74 - Pilot Guide: Flight in Icing Conditions](#)

Critical Weather and Windshear	Detection	Icing
Weather Information	Hazardous	Icing

[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	IFR	Hazards
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**PLT275**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	ILS
Navigation	Radio	VOR

**PLT276**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	VOR
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**PLT278**[FAA-H-8083-15 - Instrument Flying Handbook](#)

IFR Flight Operations	Flight Instrumentation	Instrumentation
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**PLT280**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Aeronautical Decision Making	Human Factors	Aeromedical
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**PLT283**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Charts / Maps	Constant Pressure Analysis Charts
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<b>PLT284</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT288</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	Icing
Weather Information	Aeronautical Weather Reports	SIGMETS
Weather Information	Hazardous	SIGMET
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Aeronautical Weather Reports	AIRMETS
<b>PLT292</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	Approach Procedures	Visual / Contact
Instrument Procedures	En Route	Altitudes
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	IFR approaches
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>Instrument Approach Procedure Charts</u></a>		
IFR Flight Operations	IFR	IFR approaches
<b>PLT296</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	ATC Procedures	Holding
Flight Operations	Landing	Circling
Instrument Procedures	Approach Procedures	Missed Approach
Instrument Procedures	En Route	Holding
<a href="#"><u>Instrument Approach Procedure Charts</u></a>		
Instrument Procedures	Approach Procedures	Minimums
<b>PLT297</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Unusual Attitude Recovery
Safe IFR Operations	IFR Procedures	Basic flight skills
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrument failures
<b>PLT298</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	Airspace	Class A
Air Traffic Control Procedures	En Route	IFR clearance
Instrument Procedures	Air Traffic Control	Reporting
Instrument Procedures	En Route	VFR on Top
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	En Route	VFR on Top
<b>PLT300</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	VOR Check
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR
Navigation	Radio	VOR Check
<b>PLT301</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT317</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Microburst

<b>PLT321</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Approach Procedures	ILS
<b>PLT322</b>		
<a href="#">Aeronautical Information Manual</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<b>PLT323</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Other Publications	NOTAMS
Instrument Procedures	Flight Planning	NOTAMS
<b>PLT330</b>		
<a href="#">Aeronautical Information Manual</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT332</b>		
<a href="#">Aeronautical Information Manual</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT334</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT337</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT354</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
Instrument Procedures	Approach Procedures	GPS
Navigation	Radio	GPS
Publications	AIM	Navigation Aids
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#">FAA-H-8083-6 - Advanced Avionics Handbook</a>		
Flight Operations	Approach	GPS
<b>PLT358</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	IFR	IFR approaches
<b>PLT370</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Departure restrictions
IFR Flight Operations	IFR	IFR altitudes
Instrument Procedures	Air Traffic Control	ATC Clearance
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	Approach Procedures	Minimums
Regulations IFR	14CFR Part 91	Takeoff / Landing - IFR
<b>PLT391</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Loss of Communications
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<a href="#">FAA-H-8083-3 - Airplane Flying Handbook</a>		
Instrument Procedures	Communications	Reports

<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT406</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT409</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT421</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Course to be Flown
Regulations IFR	14CFR Part 91	VOR Check
<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
Regulations IFR	14CFR Part 91	Transponder
<b>PLT430</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT438</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Supplemental Oxygen
<b>PLT442</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT443</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Safety Plot Requirements
<b>PLT444</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Preflight Action
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Air Traffic Control	Collision Avoidance
<b>PLT445</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Preflight Action
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Instrument Procedures	Basic Flight Instruments	Heading Indicator
<b>PLT448</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT451</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT454</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Altimeter System Test
Regulations IFR	14CFR Part 91	VOR Check
<b>PLT455</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<b>PLT475</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Thunderstorms
<b>PLT492</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Temperature

**PLT493**[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Icing

**PLT495**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Thunderstorms

[Aeronautical Information Manual](#)

Weather Information Meteorology Thunderstorms

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Thunderstorms

**PLT501**[Aeronautical Information Manual](#)

Weather Information Aeronautical Weather Reports PIREP

**PLT507**[14 CFR part 91 General Operating and Flight Rules](#)

Navigation Radio VOR Check

**PLT508**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR 14CFR Part 91 Altimeter System Test

Regulations IFR 14CFR Part 91 VOR Check

[Aeronautical Information Manual](#)

Navigation Radio VOR Check

**PLT509**[Aeronautical Information Manual](#)

Flight Operations Wake Turbulence Drift

**PLT510**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Solar Energy

**PLT511**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Air Masses

Weather Information Meteorology Fronts

Weather Information Meteorology Stability

**PLT512**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Moisture

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Moisture

**PLT513**[AC 00-45 - Aviation Weather Services](#)

Weather Information Aeronautical Weather Forecasts Aviation Area Forecasts (FA)

**PLT516**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Wind

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Wind

**PLT518**[AC 00-45 - Aviation Weather Services](#)

Weather Information Meteorology Windshear

[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Windshear

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Weather Information Meteorology Windshear

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Weather Information Meteorology Windshear

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Thunderstorms

**Instrument Rating—Helicopter (IRH)  
Sample Questions**

## INSTRUMENT RATING—HELICOPTER (IRH)

**1. What force causes a helicopter to turn?**

- A—Rudder pressure or force around the vertical axis.
- B—Vertical lift component.
- C—Horizontal lift component.

*Answer: C.*

*Learning Statement: Recall forces acting on aircraft-turns.*

**2. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter**

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

*Answer: C.*

*Learning Statement: Recall altimeter-settings/setting procedures.*

**3. How can you obtain the pressure altitude on flights below 18,000 feet?**

- A—Set your altimeter to 29.92 inches H<sub>g</sub> and read the pressure altitude on the instrument face.
- B—Set your altimeter to the field elevation and read the pressure altitude from the Kollsman window.
- C—Contact an ATC facility FSS and request the current pressure altitude for the area.

*Answer: A.*

*Learning Statement: Interpret altimeter-readings/settings.*

**4. If while in level flight, it becomes necessary to use an alternate source of static pressure vented inside the airplane, which of the following variations in instrument indications should the pilot expect?**

- A—The altimeter will read lower than normal, airspeed lower than normal, and the VSI will momentarily show a descent.
- B—the altimeter will read higher than normal, airspeed greater than normal, and the VSI will momentarily show a climb.
- C—The altimeter will read lower than normal, airspeed greater than normal, and the VSI will momentarily show a climb and then a descent.

*Answer: B.*

*Learning Statement: Recall pitot-static system-components/operating principles/characteristics.*

**5. MEA is an altitude which assures**

- A—obstacle clearance, accurate navigational signals from more than one VORTAC, and accurate DME mileage.
- B—a 1,000-foot obstacle clearance within two miles of an airway and assures accurate DME mileage.
- C—acceptable navigational signal coverage and meets obstruction clearance requirements.

*Answer: C.*

*Learning Statement: Define MEA/MOCA/MRA.*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE INSTRUMENT RATING—HELICOPTER (IRH)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
<b>PLT004</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Charts	Descent rates
<a href="#">U.S. Terminal Procedures</a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Flight Planning	Enroute
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	En Route	CAS Calculations
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
IFR Flight Operations	Flight Instrumentation	Instrumentation
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Approach	Side-Step Maneuver
IFR Flight Operations	IFR	ATC communications
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Communications	Terminology
<b>PLT049</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
<b>PLT051</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
Weather Information	Charts / Maps	Convective Outlook Charts
<b>PLT052</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	DME
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT059</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	METAR

**PLT061**[AC 00-45 - Aviation Weather Services](#)

Weather Information Aeronautical Weather Reports

PIREP

[Aeronautical Information Manual](#)

Weather Information Hazardous

Icing

**PLT068**[AC 00-45 - Aviation Weather Services](#)

Weather Information Charts / Maps

High-Level Significant Weather Prog

Weather Information Charts / Maps

Low-Level Significant Weather Prog

**PLT078**[Chart Supplements U.S.](#)

IFR Navigation and Approaches FLIP

[Chart Supplements U.S.](#)**PLT080**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Publications Aeronautical Charts

Terminal Procedures

**PLT083**[14 CFR part 97 Standard Instrument Procedures](#)

Instrument Procedures Approach Procedures

Minimums

[Aeronautical Information Manual](#)

Instrument Procedures Approach Procedures

COPTER

Publications Aeronautical Charts

Terminal Procedures

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures Approach Procedures

Missed Approach

Publications Aeronautical Charts

Terminal Procedures

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP

Approach charts

[FAA-H-8083-21 - Helicopter Flying Handbook](#)

Publications Aeronautical Charts

Terminal Procedures

[U.S. Terminal Procedures](#)

Instrument Procedures Approach Procedures

Minimums

Regulations IFR 14CFR Part 97

Copter Procedures

**PLT086**[FAA-H-8083-21 - Rotorcraft Flying Handbook](#)

Instrument Procedures Basic Flight Instruments

Turn-and-Slip Indicator

**PLT090**[Aeronautical Information Manual](#)

Navigation Radio

VOR

[Chart Supplements U.S.](#)

Navigation Radio

VOR Check

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation Radio

VOR

**PLT091**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation Radio

VOR

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

IFR Navigation and Approaches Navigation Systems

VOR

**PLT100**[Aeronautical Information Manual](#)

IFR Flight Operations IFR

ATC communications

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP

En route charts

Publications AIM

Navigation Aids

**PLT102**[FAA-H-8083-16 - Instrument Procedures Handbook](#)

IFR En Route and Approach Charts FLIP

Approach charts

[U.S. Terminal Procedures](#)

Publications Aeronautical Charts

Terminal Procedures

**PLT118**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures Basic Flight Instruments

Attitude Indicator

Instrument Procedures Basic Flight Instruments

Gyroscopic Systems

<b>PLT141</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR Flight Operations	IFR	Airport lights	
IFR Flight Operations	IFR	Airport markings and signs	
<b>PLT147</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR Flight Operations	IFR	Airport lights	
<a href="#">Chart Supplements U.S.</a>			
IFR Flight Operations	IFR	Airport lights	
<b>PLT161</b>			
<a href="#">Aeronautical Information Manual</a>			
AIM IFR Information	Airspace	Class B	
AIM IFR Information	Airspace	Class C	
AIM IFR Information	Airspace	Special use airspace	
<b>PLT162</b>			
<a href="#">Aeronautical Information Manual</a>			
AIM IFR Information	Airspace	Class E	
<b>PLT163</b>			
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>			
Instrument Procedures	En Route	VFR on Top	
<b>PLT164</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	IFR	Standard rate turn	
<b>PLT165</b>			
<a href="#">AC 00-6 - Aviation Weather</a>			
Weather Information	Meteorology	Temperature	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	Flight Instrumentation	Altimeter	
<b>PLT166</b>			
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>			
Instrument Procedures	En Route	Altimeter Settings	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	Flight Instrumentation	Instrumentation	
IFR Flight Operations	Flight Instrumentation	Preflight	
<b>PLT167</b>			
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>			
IFR Flight Operations	Flight Instrumentation	Instrumentation	
<b>PLT170</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR En Route and Approach Charts FLIP		Approach charts	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR En Route and Approach Charts FLIP		Approach charts	
<b>PLT171</b>			
<a href="#">Aeronautical Information Manual</a>			
Instrument Procedures	Air Traffic Control	Reporting	
<b>PLT172</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	IFR	Airport operations	
<b>PLT173</b>			
<a href="#">AC 00-6 - Aviation Weather</a>			
Weather Information	Meteorology	Air Masses	
<b>PLT175</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Instrument Procedures	Attitude Instrument Flying	Pitch	
<b>PLT185</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	Flight Instrumentation	Instrument failures	
Instrument Procedures	Attitude Instrument Flying	Pitch	
Safe IFR Operations	IFR Procedures	Basic flight skills	
<b>PLT186</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Instrument Procedures	Attitude Instrument Flying	Pitch	
<b>PLT192</b>			
<a href="#">AC 00-6 - Aviation Weather</a>			
Weather Information	Meteorology	Clouds	

<b>PLT196</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Aeronautical Weather Reports	ATIS
<b>PLT202</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	DME
<b>PLT208</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<b>PLT215</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Basic Flight Instruments	Magnetic Compass
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT224</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
Instrument Procedures	Flight Planning	Flight Plan
<b>PLT226</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Fog
<b>PLT274</b>		
<a href="#"><u>AC 91-74 - Pilot Guide: Flight in Icing Conditions</u></a>		
Weather Information	Hazardous	Icing
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Hazards
<b>PLT278</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT280</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT284</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT288</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	Icing
Weather Information	Aeronautical Weather Reports	SIGMETS
<b>PLT292</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altitudes
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Navigation and Approaches	Charts	Helicopter procedures
<b>PLT296</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	ATC Procedures	Holding
Flight Operations	Landing	Circling
Instrument Procedures	Approach Procedures	Missed Approach
Instrument Procedures	En Route	Holding
<b>PLT297</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Safe IFR Operations	IFR Procedures	Basic flight skills

<b>PLT298</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	VFR on Top
<b>PLT300</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR
Navigation	Radio	VOR Check
<b>PLT301</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT317</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Microburst
<b>PLT323</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Flight Planning	NOTAMS
<b>PLT330</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT334</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT344</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Weather Information	Hazardous	Icing
<b>PLT345</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Pressure
<b>PLT354</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	GPS
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-6 - Advanced Avionics Handbook</u></a>		
Flight Operations	Approach	GPS
<b>PLT366</b>		
<a href="#"><u>49 CFR part 830 Notification and Reporting of Aircraft Accidents</u></a>		
Regulations IFR	NTSB Part 830	Accident/Incident Reporting
<b>PLT370</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#"><u>14 CFR part 97 Standard Instrument Procedures</u></a>		
Regulations IFR	14CFR Part 91	Required IFR visibility
Regulations IFR	14CFR Part 97	Copter Procedures
<b>PLT391</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Instrument Procedures	Communications	Failure
<a href="#"><u>Aeronautical Information Manual</u></a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT405</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Transponder

<b>PLT409</b>	<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT411</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
Regulations IFR	14CFR Part 61	Limitations
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT420</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Takeoff / Landing - IFR
<b>PLT421</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Regulations IFR	14CFR Part 91	VOR Check
<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT430</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT442</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
<b>PLT443</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Safety Plot Requirements
<b>PLT444</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	Collision Avoidance
<b>PLT451</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT455</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR En Route and Approach Charts FLIP		Approach charts
<b>PLT493</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Icing
<b>PLT495</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Thunderstorms
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Meteorology	Thunderstorms
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Thunderstorms
<b>PLT507</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Navigation	Radio	VOR Check
<b>PLT508</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Altimeter System Test
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR Check
<b>PLT509</b>		
<a href="#"><u>AC 90-23 - Aircraft Wake Turbulence</u></a>		
Flight Operations	Wake Turbulence	Drift
<b>PLT511</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Fronts

**PLT512**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Moisture

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Moisture

**PLT516**[AC 00-6 - Aviation Weather](#)

Weather Information Meteorology Wind

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Wind

**PLT518**[AC 00-45 - Aviation Weather Services](#)

Weather Information Meteorology Windshear

[Aeronautical Information Manual](#)

Weather Information Hazardous Microburst

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Weather Information Meteorology Windshear

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information Meteorology Thunderstorms

**Instrument Rating—Foreign Pilot (IFP)  
Sample Questions**

## INSTRUMENT RATING—FOREIGN PILOT (IFP)

**1. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter**

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

*Answer: C.*

*Learning Statement: Recall altimeter-settings/setting procedures.*

**2. The vertical extent of the Class A airspace throughout the conterminous U.S. extends from**

- A—18,000 feet to and including FL 450.
- B—18,000 feet to and including FL 600.
- C—12,500 feet to and including FL 600.

*Answer: B.*

*Learning Statement: Recall airspace classes—limits/requirements/restrictions/airspeeds/equipment.*

**3. In which airspace is VFR on Top operation prohibited?**

- A—Class B airspace.
- B—Class E airspace.
- C—Class A airspace.

*Answer: C.*

*Learning Statement: Recall airspace classes—limits/requirements/restrictions/airspeeds/equipment.*

**4. When cleared to execute a published sidestep maneuver for a specific approach and landing on the parallel runway, at what point is the pilot expected to commence this maneuver?**

- A—at the published minimum altitude for a circling approach.
- B—as soon as possible after the runway or runway environment is in sight.
- C—at the localizer MDA minimum and when the runway is in sight.

*Answer: B.*

*Learning Statement: Recall flight operations—takeoff/landing maneuvers.*

**5. What responsibility does the pilot-in-command of an IFR flight assume upon entering VFR conditions?**

- A—Reporting VFR conditions to ARTCC.
- B—Obtaining an amended clearance authorizing VFR flight.
- C—Seeing and avoiding other aircraft.

*Answer: C.*

*Learning Statement: Recall regulations—pilot-in-command authority/responsibility.*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE INSTRUMENT RATING—FOREIGN PILOT (IFP)

<b>Topic</b>	<b>Content</b>	<b>Specific</b>
<b>PLT002</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	En Route	CAS Calculations
<b>PLT004</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
IFR Flight Operations	Flight Instrumentation	Instrumentation
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Approach	Side-Step Maneuver
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Communications	Terminology
<b>PLT049</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
<b>PLT051</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
<b>PLT052</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Departure procedures
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Departure	Departure Procedures Charts
<a href="#">U.S. Terminal Procedures</a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	IFR En Route
<b>PLT059</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	METAR
<b>PLT068</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Charts / Maps	High-Level Significant Weather Prog
<b>PLT076</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT078</b>		
<a href="#">Chart Supplements U.S.</a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.

<b>PLT079</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	En Route	Altitudes
<b>PLT080</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT083</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	Approach Procedures	Minimums
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-21 - Helicopter Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">U.S. Terminal Procedures</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT090</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Navigation	Radio	VOR
<b>PLT091</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	GPS
<b>PLT100</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	ATC communications
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Publications	AIM	Navigation Aids
<b>PLT102</b>		
<a href="#">Aeronautical Information Manual</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts	FLIP	Approach charts
<b>PLT105</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Critical Weather and Windshear	Avoidance	Radar
<b>PLT118</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT141</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT145</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT147</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT161</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Instrument Rating
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class D
AIM IFR Information	Airspace	Special use airspace
<b>PLT162</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class E

<b>PLT163</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Instrument Procedures	En Route	VFR on Top
<b>PLT165</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
<b>PLT166</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Instrument Procedures	En Route	Altimeter Settings
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altimeter Settings
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT170</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR En Route and Approach Charts FLIP		Approach charts
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR En Route and Approach Charts FLIP		Approach charts
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Safe IFR Operations	IFR Procedures	Approaches
<b>PLT171</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT172</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	Radar Approach
<b>PLT185</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrument failures
Instrument Procedures	Attitude Instrument Flying	Airspeed Changes
<b>PLT186</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT208</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<b>PLT215</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT224</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT274</b>		
<a href="#"><u>AC 91-74 - Pilot Guide: Flight in Icing Conditions</u></a>		
Critical Weather and Windshear	Detection	Icing
Weather Information	Hazardous	Icing
<b>PLT280</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT288</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	Icing
Weather Information	Hazardous	SIGMET

<b>PLT292</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Approach Procedures	Visual / Contact
<b>PLT296</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Landing	Circling
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	En Route	Holding
<b>PLT298</b>		
<a href="#">Aeronautical Information Manual</a>		
Air Traffic Control Procedures	En Route	IFR clearance
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT300</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	VOR Check
<a href="#">Aeronautical Information Manual</a>		
Navigation	Radio	VOR Check
<b>PLT317</b>		
<a href="#">Aeronautical Information Manual</a>		
Weather Information	Hazardous	Microburst
<b>PLT321</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Approach Procedures	ILS
<b>PLT322</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<b>PLT323</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Other Publications	NOTAMS
<b>PLT334</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors		Spatial Disorientation
<b>PLT337</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT354</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
Navigation	Radio	GPS
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#">FAA-H-8083-6 - Advanced Avionics Handbook</a>		
Flight Operations	Approach	GPS
<b>PLT366</b>		
<a href="#">49 CFR part 830 Notification and Reporting of Aircraft Accidents</a>		
Regulations IFR	NTSB Part 830	Accident/Incident Reporting
<b>PLT370</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Departure restrictions
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Radar Operations	Approach Vectors
<b>PLT379</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	Approach Procedures	Minimums
<b>PLT403</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	ATC communications

<b>PLT405</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Transponder
<b>PLT413</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT429</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT430</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT438</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Supplemental Oxygen
<b>PLT442</b>	<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	
Regulations IFR	14CFR Part 61	Currency
<b>PLT444</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Preflight Action
<b>PLT445</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Preflight Action
<b>PLT451</b>	<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	
Regulations IFR	14CFR Part 61	Limitations
<b>PLT454</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Altimeter System Test
Regulations IFR	14CFR Part 91	VOR Check
<b>PLT455</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<b>PLT492</b>	<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	
Weather Information	Meteorology	Temperature
<b>PLT508</b>	<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	
Regulations IFR	14CFR Part 91	VOR Check
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR Check
<b>PLT510</b>	<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	
Weather Information	Meteorology	Wind
<b>PLT511</b>	<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	
Weather Information	Meteorology	Air Masses
<b>PLT512</b>	<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>	
Weather Information	Meteorology	Moisture
<b>PLT513</b>	<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>	
Weather Information	Aeronautical Weather Forecasts	Aviation Area Forecasts (FA)
<b>PLT516</b>	<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	
Weather Information	Meteorology	Wind

**PLT518**Aeronautical Information Manual

Weather Information	Hazardous	Microburst
Weather Information	Meteorology	Windshear
Weather Information	Meteorology	Thunderstorms

FAA-H-8083-15 - Instrument Flying Handbook

Weather Information	Meteorology
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge

Weather Information	Meteorology
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**Instrument Rating Canadian Conversion—Airplane (ICP)**  
**Sample Questions**

## INSTRUMENT RATING Canadian Conversion—AIRPLANE (ICP)

1. Your onboard GPS-based FMS/RNAV unit is IFR certified under TSO-C129() or TSO-C196(). Your destination is below minimums for the GPS RNAV approach and you proceed to your filed alternate. You know that

A—GPS units certified under TSO-C129() or TSO-C196() are not authorized for alternate approach requirements; subsequently, you must use an approach procedure based on ground based NAVAIDS.

B—once diverted to the alternate airport, you may fly a GPS-based approach as long as there is an operational ground-based NAVAID and appropriate airborne receiver for use as a backup.

C—if your aircraft is equipped with a second TSO-C129() certified GPS as a backup in place of a ground-based NAVAID receiver, you may complete the approach even if the IAP is based on ground-based NAVAIDS.

*Answer: B.*

*Learning Statement: Recall radio - GPS / RNAV / RAIM*

2. A pilot is making an ILS approach and is past the OM to a runway which has a VASI. What action should the pilot take if an electronic glide slope malfunction occurs and the pilot has the VASI in sight?

A—The pilot should inform ATC of the malfunction and then descend immediately to the localizer DH and make a localizer approach.

B—The pilot may continue the approach and use the VASI glide slope in place of the electronic glide slope.

C—The pilot must request an LOC approach, and may descend below the VASI at the pilot's discretion.

*Answer: B.*

*Learning Statement: Recall regulations - equipment failure*

3. What are the requirements for a contact approach to an airport that has an approved IAP, if the pilot is on an instrument flight plan and clear of clouds?

A—The controller must determine that the pilot can see the airport at the altitude flown and can remain clear of clouds.

B—The pilot must agree to the approach when given by ATC and the controller must have determined that the visibility was at least 1 mile and be reasonably sure the pilot can remain clear of clouds.

C—The pilot must request the approach, have at least 1 mile visibility, and be reasonably sure of remaining clear of clouds.

*Answer: C.*

*Learning Statement: Recall information on an Instrument Approach Procedures (IAP)*

4. A Precision Runway Monitoring (PRM) approach may require

A—monitoring of two communication frequencies simultaneously.

B—special training and monitoring of two ILS receivers simultaneously.

C—tracking performance parameters within the "decision region" of: 1/3 dot localizer and 1/2 dot glideslope displacement.

*Answer: A.*

*Learning Statement: Recall information on an Instrument Approach Procedures (IAP)*

**5. Under which condition does ATC issue a STAR?**

- A—To all pilots wherever STARs are available.
- B—Only if the pilot requests a STAR in the ‘Remarks’ section of the flight plan.
- C—When ATC deems it appropriate, unless the pilot requests ‘No STAR.’

*Answer: C.*

*Learning Statement: Recall ATC - system / services*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE INSTRUMENT RATING CANADIAN CONVERSION—AIRPLANE (ICP)

<i><b>Topic</b></i>	<i><b>Content</b></i>	<i><b>Specific</b></i>
<b>PLT004</b> <a href="#"><u>U.S. Terminal Procedures</u></a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altitudes
<b>PLT044</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT049</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	ILS
<b>PLT051</b> <a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
<b>PLT052</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	ATC Procedures	Departure procedures
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<a href="#"><u>U.S. Terminal Procedures</u></a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b> <a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Publications	Aeronautical Charts	IFR En Route
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Publications	Aeronautical Charts	IFR En Route
<b>PLT061</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Icing
<b>PLT078</b> <a href="#"><u>Chart Supplements U.S.</u></a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
<b>PLT079</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	En Route	Altitudes
<b>PLT080</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT083</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	Approach Procedures	Minimums
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>FAA-H-8083-21 - Helicopter Flying Handbook</u></a>		
Publications	Aeronautical Charts	Terminal Procedures

<b>PLT090</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Navigation	Radio	VOR
<b>PLT100</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	ATC communications
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Publications	AIM	Navigation Aids
<b>PLT102</b>		
<a href="#">Aeronautical Information Manual</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT105</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Critical Weather and Windshear	Avoidance	Radar
<b>PLT141</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
IFR Flight Operations	IFR	Airport markings and signs
<b>PLT145</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT147</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT161</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Instrument Rating
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class C
AIM IFR Information	Airspace	Class D
AIM IFR Information	Airspace	Special use airspace
<b>PLT162</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class E
<b>PLT163</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	En Route	VFR on Top
<b>PLT165</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Weather Information	Meteorology	Temperature
<b>PLT166</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	En Route	Altimeter Settings
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altimeter Settings
<b>PLT170</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR En Route and Approach Charts FLIP		Approach charts
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR En Route and Approach Charts FLIP		Approach charts
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Safe IFR Operations	IFR Procedures	Approaches
<b>PLT171</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT172</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Approach Procedures	Radar Approach

**PLT208**[Aeronautical Information Manual](#)

Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications

**PLT224**[Aeronautical Information Manual](#)

Instrument Procedures	Departure	Departure Procedures Charts
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**PLT274**[AC 91-74 - Pilot Guide: Flight in Icing Conditions](#)

Weather Information	Hazardous	Icing
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**PLT288**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Aeronautical Weather Forecasts	TAF
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**PLT292**[AC 00-45 - Aviation Weather Services](#)

Publications	Aeronautical Charts	Terminal Procedures
Instrument Procedures	Approach Procedures	Visual / Contact

**PLT293**[Aeronautical Information Manual](#)

Instrument Procedures	Departure	Departure Procedures Charts
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**PLT296**[Aeronautical Information Manual](#)

Flight Operations	Landing	Circling
Instrument Procedures	Approach Procedures	Holding
Instrument Procedures	En Route	Holding

**PLT298**[Aeronautical Information Manual](#)

AIM IFR Information	Airspace	Class A
Air Traffic Control Procedures	En Route	IFR clearance
Instrument Procedures	Air Traffic Control	Reporting

**PLT300**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR	14CFR Part 91	VOR Check
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[Aeronautical Information Manual](#)

Navigation	Radio	VOR Check
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**PLT321**[Aeronautical Information Manual](#)

Instrument Procedures	Approach Procedures	ILS
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**PLT322**[FAA-H-8083-15 - Instrument Flying Handbook](#)

Navigation	Radio	VOR
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**PLT323**[Aeronautical Information Manual](#)

AIM IFR Information	Other Publications	NOTAMS
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**PLT354**[Aeronautical Information Manual](#)

IFR Navigation and Approaches	Navigation Systems	GPS
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**PLT370**[Aeronautical Information Manual](#)

AIM IFR Information	ATC Procedures	Departure restrictions
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Radar Operations	Approach Vectors

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Instrument Procedures	Air Traffic Control	ATC Clearance
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**PLT379**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR	14CFR Part 91	Alternate Airport
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**PLT382**[14 CFR part 91 General Operating and Flight Rules](#)

Instrument Procedures	Approach Procedures	Minimums
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<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT405</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Transponder
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT430</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT438</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Supplemental Oxygen
<b>PLT442</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
<b>PLT444</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Preflight Action
<b>PLT445</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Preflight Action
<b>PLT448</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT451</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT454</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Altimeter System Test
Regulations IFR	14CFR Part 91	VOR Check
<b>PLT455</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<b>PLT492</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT508</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	VOR Check
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR Check
<b>PLT511</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Air Masses
<b>PLT518</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Microburst

**Flight Instructor Instrument—Airplane (FII)  
Sample Questions**

## **FLIGHT INSTRUCTOR INSTRUMENT—AIRPLANE (FII)**

### **1. If you experience tunnel vision and cyanosis you may have symptoms of**

- A—hypoxia.
- B—hyperventilation.
- C—carbon monoxide poisoning.

*Answer: A.*

*Learning Statement: Recall physiological factors - cause / effects of hypoxia.*

### **2. ATC can issue a STAR**

- A—to all pilots wherever STARs are available.
- B—only if the pilot requests a STAR in the ‘Remarks’ section of the flight plan.
- C—when ATC deems it appropriate, unless the pilot requests ‘No STAR.’

*Answer: C.*

*Learning Statement: Recall ATC - system / services.*

### **3. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter**

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

*Answer: C.*

*Learning Statement: Recall altimeter—settings/setting procedures.*

### **4. In which airspace is VFR on Top operation prohibited?**

- A—Class B airspace.
- B—Class E airspace.
- C—Class A airspace.

*Answer: C.*

*Learning Statement: Recall airspace classes—limits/requirements/restrictions/airspeeds/equipment.*

### **5. If a helicopter is in an unusual flight attitude and the attitude indicator has exceeded its limits, which instruments should the pilot use to determine pitch attitude before starting recovery?**

- A—Turn indicator and VSI.
- B—Airspeed, VSI, and altimeter.
- C—VSI and airspeed to detect approaching V<sub>mo</sub>.

*Answer: B.*

*Learning Statement: Recall instrument procedures—unusual attitude/unusual attitude recovery.*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE FLIGHT INSTRUCTOR INSTRUMENT—AIRPLANE (FII)

<b>Topic</b>	<b>Content</b>	<b>Specific</b>
<b>PLT004</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Charts	Descent rates
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Approach	Side-Step Maneuver
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Communications	Terminology
<b>PLT047</b>		
<a href="#">FAA-H-8083-6 - Advanced Avionics Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT049</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
<b>PLT051</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
<b>PLT052</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Departure	Departure Procedures Charts
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT059</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	METAR
<b>PLT061</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	PIREP
<b>PLT068</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Charts / Maps	High-Level Significant Weather Prog
Weather Information	Charts / Maps	Low-Level Significant Weather Prog

<b>PLT078</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.	
<a href="#">Chart Supplements U.S.</a>		Chart Supplements U.S.	
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.	
<b>PLT080</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Publications	Aeronautical Charts	Terminal Procedures	
<b>PLT082</b>			
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>			
Instrument Procedures	Approach Procedures	Minimums	
<b>PLT083</b>			
<a href="#">Aeronautical Information Manual</a>			
Publications	Aeronautical Charts	Terminal Procedures	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Publications	Aeronautical Charts	Terminal Procedures	
<a href="#">U.S. Terminal Procedures</a>			
Publications	Aeronautical Charts	Terminal Procedures	
<b>PLT088</b>			
<a href="#">AC 91-43 - Unreliable Airspeed Indication</a>			
IFR Flight Operations	Flight Instrumentation	Instrumentation	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
IFR Flight Operations	Flight Instrumentation	Instrumentation	
<b>PLT090</b>			
<a href="#">IFR Enroute Low Altitude Chart</a>			
Navigation	Radio	VOR	
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Navigation	Radio	VOR	
<b>PLT091</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Navigation	Radio	VOR	
<b>PLT100</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR Flight Operations	IFR	ATC communications	
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>			
Publications	AIM	Navigation Aids	
<b>PLT102</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Publications	Aeronautical Charts	Terminal Procedures	
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>			
IFR En Route and Approach Charts	FLIP	Approach charts	
Publications	Aeronautical Charts	Terminal Procedures	
<b>PLT104</b>			
<a href="#">FAA-H-8083-2 - Risk Management Handbook</a>			
Aeronautical Decision Making	Human Factors	Aeromedical	
<b>PLT105</b>			
<a href="#">AC 00-6 - Aviation Weather</a>			
Critical Weather and Windshear	Avoidance	Radar	
<b>PLT118</b>			
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>			
Instrument Procedures	Basic Flight Instruments	Attitude Indicator	
<b>PLT128</b>			
<a href="#">AC 91-74 - Pilot Guide: Flight in Icing Conditions</a>			
Safe IFR Operations	Aircraft Systems	Icing encounters	
<b>PLT141</b>			
<a href="#">Aeronautical Information Manual</a>			
IFR Flight Operations	IFR	Airport lights	
IFR Flight Operations	IFR	Airport markings and signs	
<b>PLT161</b>			
<a href="#">Aeronautical Information Manual</a>			
AIM IFR Information	Airspace	Class C	
AIM IFR Information	Airspace	Special use airspace	

<b>PLT165</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Weather Information	Meteorology	Temperature
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
<b>PLT166</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	En Route	Altimeter Settings
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	Flight Instrumentation	Preflight
Instrument Procedures	En Route	Altimeter Settings
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT167</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT170</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR En Route and Approach Charts FLIP		Approach charts
Instrument Procedures	Approach Procedures	Approach Category
Instrument Procedures	Approach Procedures	Course Reversal
Instrument Procedures	Approach Procedures	Missed Approach
<a href="#">FAA-H-8083-3 - Airplane Flying Handbook</a>		
Safe IFR Operations	IFR Procedures	Approaches
<b>PLT171</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT173</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Weather Information	Meteorology	Stability
<b>PLT185</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrument failures
IFR Flight Operations	Flight Instrumentation	Supporting instruments
Instrument Procedures	Attitude Instrument Flying	Airspeed Changes
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
<b>PLT186</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT187</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Basic Flight Instruments	Turn Coordinator
Instrument Procedures	Basic Flight Instruments	Turn-and-Slip Indicator
<b>PLT192</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		
Weather Information	Meteorology	Clouds
<b>PLT196</b>		
<a href="#">Aeronautical Information Manual</a>		
Weather Information	Aeronautical Weather Reports	ATIS
<b>PLT203</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Weather Information	Meteorology	Atmosphere
<b>PLT208</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<b>PLT215</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Magnetic Compass
<b>PLT222</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport operations

<b>PLT224</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT226</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Fog
<b>PLT263</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Windshear
<b>PLT274</b>		
<a href="#"><u>AC 91-74 - Pilot Guide: Flight in Icing Conditions</u></a>		
Critical Weather and Windshear	Detection	Icing
<b>PLT275</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	VOR
<b>PLT276</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	VOR
<b>PLT280</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT284</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT288</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	Icing
<b>PLT292</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	Visual / Contact
Instrument Procedures	En Route	Altitudes
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	IFR approaches
<a href="#"><u>Instrument Approach Procedure Charts</u></a>		
IFR Flight Operations	IFR	IFR approaches
<b>PLT293</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT296</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	ATC Procedures	Holding
Instrument Procedures	Approach Procedures	Missed Approach
Instrument Procedures	En Route	Holding
<b>PLT297</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Unusual Attitude Recovery
Safe IFR Operations	IFR Procedures	Basic flight skills
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrument failures
<b>PLT298</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	Airspace	Class A
Air Traffic Control Procedures	En Route	IFR clearance
Instrument Procedures	En Route	VFR on Top

<b>PLT300</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	VOR Check
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR Check
<b>PLT301</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT317</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Microburst
<b>PLT323</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Flight Planning	NOTAMS
<b>PLT334</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT337</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT354</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
Navigation	Radio	GPS
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-6 - Advanced Avionics Handbook</u></a>		
Flight Operations	Approach	GPS
<b>PLT370</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	ATC Procedures	Departure restrictions
IFR Flight Operations	IFR	IFR altitudes
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT391</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT409</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT430</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT438</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Supplemental Oxygen

<b>PLT442</b>	<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency	
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time	
<b>PLT443</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Safety Plot Requirements	
<b>PLT444</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Preflight Action	
<a href="#"><u>Aeronautical Information Manual</u></a>			
Instrument Procedures	Air Traffic Control	Collision Avoidance	
<b>PLT445</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Preflight Action	
<b>PLT451</b>			
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>			
Regulations IFR	14CFR Part 61	Limitations	
<b>PLT454</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Altimeter System Test	
<b>PLT455</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Clearance / Fight Plan	
<b>PLT475</b>			
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>			
Weather Information	Meteorology	Thunderstorms	
<b>PLT495</b>			
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>			
Weather Information	Meteorology	Thunderstorms	
<b>PLT507</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Navigation	Radio	VOR Check	
<b>PLT508</b>			
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>			
Regulations IFR	14CFR Part 91	Altimeter System Test	
Regulations IFR	14CFR Part 91	VOR Check	
<a href="#"><u>Aeronautical Information Manual</u></a>			
Navigation	Radio	VOR Check	
<b>PLT510</b>			
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>			
Weather Information	Meteorology	Solar Energy	
Weather Information	Meteorology	Wind	
<b>PLT511</b>			
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>			
Weather Information	Meteorology	Air Masses	
Weather Information	Meteorology	Fronts	
<b>PLT512</b>			
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>			
Weather Information	Meteorology	Moisture	
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>			
Weather Information	Meteorology	Moisture	
<b>PLT516</b>			
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>			
Weather Information	Meteorology	Wind	

**PLT518**[AC 00-45 - Aviation Weather Services](#)

Weather Information	Meteorology	Windshear
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[AC 00-54 - Pilot Wind Shear Guide](#)

Weather Information	Meteorology	Windshear
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[Aeronautical Information Manual](#)

Weather Information	Hazardous	Microburst
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[FAA-H-8083-15 - Instrument Flying Handbook](#)

Weather Information	Meteorology	Windshear
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Information	Meteorology	Thunderstorms
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Weather Information	Meteorology	Windshear
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**Flight Instructor Instrument—Helicopter (FIH)  
Sample Questions**

## **FLIGHT INSTRUCTOR INSTRUMENT—HELICOPTER (FIH)**

### **1. What force causes a helicopter to turn?**

- A—Rudder pressure or force around the vertical axis.
- B—Vertical lift component.
- C—Horizontal lift component.

*Answer: C.*

*Learning Statement: Recall forces acting on aircraft—turns.*

### **2. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter**

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

*Answer: C.*

*Learning Statement: Recall altimeter—settings/setting procedures.*

### **3. Which use of cockpit lighting is correct for night flight?**

- A—Reducing the interior lighting intensity to a minimum level.
- B—The use of regular white light, such as a flashlight, will not impair night adaptation.
- C—Coloration shown on maps is least affected by the use of direct red lighting.

*Answer: A.*

*Learning Statement: Recall physiological factors—night vision.*

### **4. If a helicopter is in an unusual flight attitude and the attitude indicator has exceeded its limits, which instruments should the pilot use to determine pitch attitude before starting recovery?**

- A—Turn indicator and VSI.
- B—Airspeed, VSI, and altimeter.
- C—VSI and airspeed to detect approaching V<sub>mo</sub>.

*Answer: B.*

*Learning Statement: Recall instrument procedures—unusual attitude/unusual attitude recovery.*

### **5. Which instrument provides the most pertinent information (primary) for pitch control in straight and level flight?**

- A—Attitude indicator.
- B—Airspeed indicator.
- C—Altimeter.

*Answer: C.*

*Learning Statement: Recall pitch control—collective/cyclic.*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE FLIGHT INSTRUCTOR INSTRUMENT—HELICOPTER (FIH)

<i><b>Topic</b></i>	<i><b>Content</b></i>	<i><b>Specific</b></i>
<b>PLT004</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altitudes
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT041</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Navigation and Approaches	IFR Systems	ATC IFR approach procedures
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT049</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	ILS
<b>PLT051</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
<b>PLT052</b>		
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#"><u>U.S. Terminal Procedures</u></a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b>		
<a href="#"><u>IFR Enroute Low Altitude Chart</u></a>		
Navigation	Radio	VOR
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR En Route and Approach Charts FLIP		En route charts
<b>PLT059</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	METAR
<b>PLT068</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Low-Level Significant Weather Prog
<b>PLT071</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Surface Analysis Charts
<b>PLT075</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts

**PLT083**[14 CFR part 97 Standard Instrument Procedures](#)

Instrument Procedures	Approach Procedures	Minimums
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[Aeronautical Information Manual](#)

Instrument Procedures	Approach Procedures	COPTER
Instrument Procedures	Approach Procedures	Course Reversal
Publications	Aeronautical Charts	Terminal Procedures

[FAA-H-8083-15 - Instrument Flying Handbook](#)

Instrument Procedures	Approach Procedures	Missed Approach
Publications	Aeronautical Charts	Terminal Procedures

[FAA-H-8083-16 - Instrument Procedures Handbook](#)

Publications	Aeronautical Charts	Terminal Procedures
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[FAA-H-8083-21 - Helicopter Flying Handbook](#)

Publications	Aeronautical Charts	Terminal Procedures
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[U.S. Terminal Procedures](#)

Instrument Procedures	Approach Procedures	Minimums
Regulations IFR	14CFR Part 97	Copter Procedures

**PLT088**

<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>	Flight Instrumentation	Instrumentation
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**PLT090**

<a href="#"><u>Aeronautical Information Manual</u></a>	Radio	VOR
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<a href="#"><u>IFR Enroute Low Altitude Chart</u></a>	Radio	VOR
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**PLT091**

<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>	Navigation Systems	VOR
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**PLT100**

<a href="#"><u>Aeronautical Information Manual</u></a>	IFR	ATC communications
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<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>	AIM	Navigation Aids
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**PLT102**

<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>	IFR En Route and Approach Charts FLIP	Approach charts
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[U.S. Terminal Procedures](#)

Publications	Aeronautical Charts	Terminal Procedures
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**PLT118**

<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>	Basic Flight Instruments	Gyroscopic Systems
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**PLT128**

<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>	IFR	Hazards
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**PLT141**

<a href="#"><u>Aeronautical Information Manual</u></a>	IFR Flight Operations	Airport lights
	IFR Flight Operations	Airport markings and signs

**PLT161**

<a href="#"><u>Aeronautical Information Manual</u></a>	AIM IFR Information	Class C
	AIM IFR Information	Class D
	AIM IFR Information	Special use airspace

**PLT162**

<a href="#"><u>Aeronautical Information Manual</u></a>	AIM IFR Information	Class E
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**PLT163**

<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Instrument Procedures	VFR on Top
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**PLT164**

<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>	IFR Flight Operations	Standard rate turn
	Safe IFR Operations	Basic flight skills

<b>PLT165</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT166</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Instrument Procedures	En Route	Altimeter Settings
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	Flight Instrumentation	Preflight
<b>PLT172</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Airport operations
<b>PLT175</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT185</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
Safe IFR Operations	IFR Procedures	Basic flight skills
<b>PLT187</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
Instrument Procedures	Basic Flight Instruments	Turn Coordinator
<b>PLT192</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Clouds
<b>PLT202</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Navigation	Radio	DME
<b>PLT208</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<b>PLT215</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Basic Flight Instruments	Magnetic Compass
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT224</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT226</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Fog
<b>PLT274</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Hazards
<b>PLT278</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT280</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Hazardous	SIGMET

<b>PLT292</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altitudes
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	IFR approaches
IFR Navigation and Approaches	Charts	Helicopter procedures
<a href="#"><u>Instrument Approach Procedure Charts</u></a>		
IFR Flight Operations	IFR	IFR approaches
<b>PLT293</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT296</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Holding
<b>PLT298</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	Reporting
<b>PLT300</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	VOR Check
<b>PLT301</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT317</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Hazardous	Microburst
<b>PLT334</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT337</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT354</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Navigation	Radio	GPS
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-16 - Instrument Procedures Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#"><u>FAA-H-8083-6 - Advanced Avionics Handbook</u></a>		
Flight Operations	Approach	GPS
<b>PLT370</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#"><u>14 CFR part 97 Standard Instrument Procedures</u></a>		
Regulations IFR	14CFR Part 97	Copter Procedures
<b>PLT391</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT411</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
Regulations IFR	14CFR Part 61	Limitations
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements

<b>PLT420</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Takeoff / Landing - IFR
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	Course Reversal
<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Instrument/Equipment Requirements
<b>PLT430</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	IFR Minimum Altitudes
<b>PLT442</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
<b>PLT455</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Clearance / Fight Plan
<b>PLT475</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Thunderstorms
<b>PLT493</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Icing
<b>PLT495</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Thunderstorms
<b>PLT501</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Weather Information	Aeronautical Weather Reports	PIREP
<b>PLT508</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Altimeter System Test
<b>PLT509</b>		
<a href="#"><u>AC 90-23 - Aircraft Wake Turbulence</u></a>		
Flight Operations	Wake Turbulence	Drift
<b>PLT511</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Air Masses
Weather Information	Meteorology	Fronts
<b>PLT513</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Aviation Area Forecasts (FA)
<b>PLT516</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
Weather Information	Meteorology	Wind
<b>PLT518</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Meteorology	Windshear
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Weather Information	Meteorology	Windshear

**Flight Instructor Instrument—Airplane—Added Rating (AIF)  
Sample Questions**

# **FLIGHT INSTRUCTOR INSTRUMENT—AIRPLANE—ADDED RATING (AIF)**

## **1. If you experience tunnel vision and cyanosis you may have symptoms of**

- A—hypoxia.
- B—hyperventilation.
- C—carbon monoxide poisoning.

*Answer: A.*

*Learning Statement: Recall physiological factors - cause / effects of hypoxia.*

## **2. ATC can issue a STAR**

- A—to all pilots wherever STARs are available.
- B—only if the pilot requests a STAR in the ‘Remarks’ section of the flight plan.
- C—when ATC deems it appropriate, unless the pilot requests ‘No STAR.’

*Answer: C.*

*Learning Statement: Recall ATC - system / services.*

## **3. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter**

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

*Answer: C.*

*Learning Statement: Recall altimeter—settings/setting procedures.*

## **4. During a precision radar or ILS approach, the rate of descent required to remain on the glideslope will**

- A—remain the same regardless of ground speed.
- B—increase as the ground speed increases.
- C—decreases as the ground speed increases.

*Answer: B.*

*Learning Statement: Recall ILS—marker beacon/indicator lights/codes.*

## **5. Which instrument provides the most pertinent information (primary) for pitch control in straight and level flight?**

- A—Attitude indicator.
- B—Airspeed indicator.
- C—Altimeter.

*Answer: C.*

*Learning Statement: Recall pitch control—collective/cyclic.*

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE FLIGHT INSTRUCTOR INSTRUMENT—AIRPLANE—ADDED RATING (AIF)

<b>Topic</b>	<b>Content</b>	<b>Specific</b>
<b>PLT004</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Charts	Descent rates
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Approach	Side-Step Maneuver
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT058</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	En Route	VFR on Top
<b>PLT068</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Charts / Maps	Low-Level Significant Weather Prog
<b>PLT076</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT078</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
<b>PLT104</b>		
<a href="#">FAA-H-8083-2 - Risk Management Handbook</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT118</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Attitude Indicator
<b>PLT128</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	IFR	Hazards
<b>PLT133</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Climb
<b>PLT141</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
IFR Flight Operations	IFR	Airport markings and signs
<b>PLT144</b>		
<a href="#">FAA-H-8083-3 - Airplane Flying Handbook</a>		
IFR Flight Operations	IFR	Hazards
<b>PLT147</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT161</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	En Route	VFR on Top

<b>PLT166</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	IFR altitudes
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT170</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR En Route and Approach Charts	FLIP	Approach charts
<b>PLT185</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Airspeed Changes
Instrument Procedures	Attitude Instrument Flying	Descent
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
<b>PLT215</b>		
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT274</b>		
<a href="#"><u>AC 91-74 - Pilot Guide: Flight in Icing Conditions</u></a>		
Critical Weather and Windshear	Detection	Icing
<b>PLT280</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
IFR Flight Operations	IFR	Hazards
<b>PLT284</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT292</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT296</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Holding
<b>PLT297</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Unusual Attitude Recovery
Safe IFR Operations	IFR Procedures	Basic flight skills
<b>PLT298</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	Airspace	Class A
<b>PLT330</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT334</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT337</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT354</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
Navigation	Radio	GPS
<b>PLT370</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT391</b>		
<a href="#"><u>FAA-H-8083-3 - Airplane Flying Handbook</u></a>		
Instrument Procedures	Communications	Reports
<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications

**PLT406**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Instrument/Equipment Requirements

**PLT413**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Fuel Requirements

**PLT438**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Supplemental Oxygen

**PLT442**[14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors](#)

Regulations IFR                    14CFR Part 61                    Currency

Regulations IFR                    14CFR Part 61                    Logging Instrument Flight Time

**PLT443**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Safety Plot Requirements

**PLT455**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Clearance / Fight Plan

**PLT508**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Altimeter System Test

**PLT509**[Aeronautical Information Manual](#)

Flight Operations                    Wake Turbulence                    Drift

**Flight Instructor Instrument—Helicopter—Added Rating (HIF)**  
**Sample Questions**

# FLIGHT INSTRUCTOR INSTRUMENT—HELICOPTER—ADDED RATING (HIF)

## 1. What force causes a helicopter to turn?

- A—Rudder pressure or force around the vertical axis.
- B—Vertical lift component.
- C—Horizontal lift component.

Answer: C.

Learning Statement: Recall forces acting on aircraft—turns.

## 2. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

Answer: C.

Learning Statement: Recall altimeter—settings/setting procedures.

## 3. Which instrument provides the most pertinent information (primary) for pitch control in straight and level flight?

- A—Attitude indicator.
- B—Airspeed indicator.
- C—Altimeter.

Answer: C.

Learning Statement: Recall pitch control—collective/cyclic.

## 4. What is the primary bank instrument once a standard rate turn is established?

- A—Attitude indicator.
- B—Turn coordinator.
- C—Heading indicator.

Answer: B.

Learning Statement: Recall basic instrument flying—fundamental skills.

## 5. Unless otherwise prescribed, what is the rule regarding altitude and course to be maintained during an IFR off airways flight over mountainous terrain?

- A—2,000 feet above the highest obstacle within a horizontal distance of 5 NM of course.
- B—1,000 feet above the highest obstacle within a horizontal distance of 4 NM of course.
- C—2,000 feet above the highest obstacle within 4 NM of course.

Answer: C.

Learning Statement: Recall regulations—minimum safe/flight altitude.

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE FLIGHT INSTRUCTOR INSTRUMENT—HELICOPTER—ADDED RATING (HIF)

<i><b>Topic</b></i>	<i><b>Content</b></i>	<i><b>Specific</b></i>
<b>PLT004</b> <a href="#"><u>U.S. Terminal Procedures</u></a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altitudes
<b>PLT041</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT051</b> <a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	Convective Outlook (AC)
Weather Information	Charts / Maps	Convective Outlook Charts
<b>PLT083</b> <a href="#"><u>14 CFR part 97 Standard Instrument Procedures</u></a>		
Regulations IFR	14CFR Part 97	Copter Procedures
<a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	Approach Procedures	COPTER
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Approach Procedures	Missed Approach
<a href="#"><u>U.S. Terminal Procedures</u></a>		
Regulations IFR	14CFR Part 97	Copter Procedures
<b>PLT102</b> <a href="#"><u>U.S. Terminal Procedures</u></a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT128</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Hazards
<b>PLT141</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT147</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT162</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
AIM IFR Information	Airspace	Class E
<b>PLT165</b> <a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT166</b> <a href="#"><u>Aeronautical Information Manual</u></a>		
Instrument Procedures	En Route	Altimeter Settings
<b>PLT175</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Attitude Instrument Flying	Pitch
<b>PLT185</b> <a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	Flight Instrumentation	Supporting instruments
IFR Flight Operations	IFR	Standard rate turn
Instrument Procedures	Attitude Instrument Flying	Fundamental Skills
Instrument Procedures	Attitude Instrument Flying	Pitch

<b>PLT208</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
Flight Operations	Emergency Procedures	Lost Communications
IFR Flight Operations	IFR	ATC communications
<b>PLT226</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Fog
<b>PLT274</b>		
<a href="#"><u>AC 91-74 - Pilot Guide: Flight in Icing Conditions</u></a>		
Weather Information	Hazardous	Icing
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Flight Operations	IFR	Hazards
<b>PLT278</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Instrument Procedures	Altitude Instrument Flying	Pitch
<b>PLT288</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Charts / Maps	Weather Depiction Charts
<b>PLT290</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>		
Weather Information	Aeronautical Weather Reports	SIGMETS
<b>PLT301</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Temperature
<b>PLT334</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
Aeronautical Decision Making	Human Factors	Aeromedical
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT345</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>		
Weather Information	Meteorology	Pressure
<b>PLT354</b>		
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<b>PLT370</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	IFR altitudes
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#"><u>14 CFR part 97 Standard Instrument Procedures</u></a>		
Regulations IFR	14CFR Part 91	Required IFR visibility
Regulations IFR	14CFR Part 97	Copter Procedures
<b>PLT403</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT409</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT411</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>		
Regulations IFR	14CFR Part 61	Currency
Regulations IFR	14CFR Part 61	Limitations
<b>PLT413</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Fuel Requirements
<b>PLT420</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>		
Regulations IFR	14CFR Part 91	Takeoff / Landing - IFR

**PLT429**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    Instrument/Equipment Requirements

**PLT430**[14 CFR part 91 General Operating and Flight Rules](#)

Regulations IFR                    14CFR Part 91                    IFR Minimum Altitudes

**PLT442**[14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors](#)

Regulations IFR                    14CFR Part 61                    Currency

Regulations IFR                    14CFR Part 61                    Logging Instrument Flight Time

**PLT513**[AC 00-45 - Aviation Weather Services](#)

Weather Information                Aeronautical Weather Forecasts                Aviation Area Forecasts (FA)

**Ground Instructor Instrument (IGI)  
Sample Questions**

## GROUND INSTRUCTOR INSTRUMENT (IGI)

### 1. What force causes a helicopter to turn?

- A—Rudder pressure or force around the vertical axis.
- B—Vertical lift component.
- C—Horizontal lift component.

Answer: C.

Learning Statement: Recall forces acting on aircraft—turns.

### 2. If you experience tunnel vision and cyanosis you may have symptoms of

- A—hypoxia.
- B—hyperventilation.
- C—carbon monoxide poisoning.

Answer: A.

Learning Statement: Recall physiological factors - cause / effects of hypoxia.

### 3. If you are departing from an airport where you cannot obtain an altimeter setting, you should set your altimeter

- A—on 29.92 inches H<sub>g</sub>.
- B—on the current airport barometric pressure, if known.
- C—to the airport elevation.

Answer: C.

Learning Statement: Recall altimeter—settings/setting procedures.

### 4. How can you obtain the pressure altitude on flights below 18,000 feet?

- A—Set your altimeter to 29.92 inches H<sub>g</sub> and read the pressure altitude on the instrument face.
- B—Set your altimeter to the field elevation and read the pressure altitude from the Kollsman window.
- C—Contact an ATC facility FSS and request the current pressure altitude for the area.

Answer: A.

Learning Statement: Interpret altimeter—readings/settings.

### 5. If while in level flight, it becomes necessary to use an alternate source of static pressure vented inside the airplane, which of the following variations in instrument indications should the pilot expect?

- A—The altimeter will read lower than normal, airspeed lower than normal, and the VSI will momentarily show a descent.
- B—the altimeter will read higher than normal, airspeed greater than normal, and the VSI will momentarily show a climb.
- C—The altimeter will read lower than normal, airspeed greater than normal, and the VSI will momentarily show a climb and then a descent.

Answer: B.

Learning Statement: Recall pitot-static system—components/operating principles/characteristics.

## LIST OF REFERENCE MATERIALS SPECIFIC TO THE GROUND INSTRUCTOR INSTRUMENT (IGI)

<b>Topic</b>	<b>Content</b>	<b>Specific</b>
<b>PLT002</b>		
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
Instrument Procedures	En Route	CAS Calculations
<b>PLT004</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Charts	Descent rates
<a href="#">U.S. Terminal Procedures</a>		
Instrument Procedures	Flight Planning	Departure Climb
<b>PLT012</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Flight Planning	Enroute
<b>PLT033</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altitudes
<b>PLT041</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT044</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Air Traffic Control	ATC Clearance
Instrument Procedures	Communications	Terminology
<b>PLT049</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
<b>PLT052</b>		
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
Instrument Procedures	Departure	Departure Procedures Charts
Instrument Procedures	Flight Planning	Departure Climb
<a href="#">U.S. Terminal Procedures</a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT058</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	IFR En Route
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR En Route and Approach Charts	FLIP	En route charts
<b>PLT059</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	METAR
<b>PLT061</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Reports	PIREP
<b>PLT068</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Charts / Maps	High-Level Significant Weather Prog
Weather Information	Charts / Maps	Low-Level Significant Weather Prog
<b>PLT076</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
<b>PLT078</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.
<a href="#">Chart Supplements U.S.</a>		
IFR Navigation and Approaches	FLIP	Chart Supplements U.S.

<b>PLT082</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Instrument Procedures	Approach Procedures	Minimums
<b>PLT083</b>		
<a href="#">Aeronautical Information Manual</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<a href="#">FAA-H-8083-21 - Helicopter Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT086</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Basic Flight Instruments	Turn-and-Slip Indicator
<b>PLT088</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT090</b>		
<a href="#">IFR Enroute Low Altitude Chart</a>		
Navigation	Radio	VOR
<b>PLT091</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<b>PLT100</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT102</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>PLT118</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Attitude Indicator
<b>PLT128</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	IFR	Hazards
<b>PLT133</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Climb
<b>PLT141</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport markings and signs
<b>PLT145</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT147</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	Airport lights
<b>PLT161</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Instrument Rating
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class B
AIM IFR Information	Airspace	Class C
AIM IFR Information	Airspace	Class D
AIM IFR Information	Airspace	Special use airspace
<b>PLT162</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	Airspace	Class E
<b>PLT165</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Flight Operations	Flight Instrumentation	Altimeter
<b>PLT166</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	En Route	Altimeter Settings

<b>PLT167</b>	<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>	
IFR Flight Operations	Flight Instrumentation	Instrumentation
<b>PLT170</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		Approach charts
IFR En Route and Approach Charts	FLIP	
<b>PLT185</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		Approaches
Safe IFR Operations	IFR Procedures	
<b>PLT192</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		Clouds
Weather Information	Meteorology	
<b>PLT196</b>		
<a href="#">Aeronautical Information Manual</a>		ATIS
Weather Information	Aeronautical Weather Reports	
<b>PLT202</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		DME
Navigation	Radio	
<b>PLT208</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Emergency Procedures	Declare an Emergency
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT215</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Basic Flight Instruments	Attitude Indicator
Safe IFR Operations	Aircraft Systems	Magnetic compass
<a href="#">FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</a>		
IFR Flight Operations	Flight Instrumentation	Instrumentation
Instrument Procedures	Basic Flight Instruments	Magnetic Compass
<b>PLT224</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT226</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		Fog
Weather Information	Meteorology	
<b>PLT263</b>		
<a href="#">AC 00-6 - Aviation Weather</a>		Windshear
Weather Information	Meteorology	
<b>PLT274</b>		
<a href="#">AC 91-74 - Pilot Guide: Flight in Icing Conditions</a>		Icing
Weather Information	Hazardous	
<b>PLT275</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	ILS
Navigation	Radio	VOR
<b>PLT276</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<b>PLT280</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		Aeromedical
Aeronautical Decision Making	Human Factors	
<b>PLT288</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Weather Information	Aeronautical Weather Forecasts	TAF
<b>PLT289</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		Weather Depiction Charts
Weather Information	Charts / Maps	
<b>PLT290</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		SIGMET
Weather Information	Hazardous	

<b>PLT292</b>		
<a href="#">AC 00-45 - Aviation Weather Services</a>		
Publications	Aeronautical Charts	Terminal Procedures
<b>Instrument Approach Procedure Charts</b>		
IFR Flight Operations	IFR	IFR approaches
<b>PLT293</b>		
<a href="#">Aeronautical Information Manual</a>		
Instrument Procedures	Departure	Departure Procedures Charts
<b>PLT296</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Holding
Instrument Procedures	En Route	Holding
<b>PLT297</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Instrument Procedures	Attitude Instrument Flying	Unusual Attitude Recovery
Safe IFR Operations	IFR Procedures	Basic flight skills
<b>PLT317</b>		
<a href="#">Aeronautical Information Manual</a>		
Weather Information	Hazardous	Microburst
<b>PLT322</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Navigation	Radio	VOR
<b>PLT330</b>		
<a href="#">Aeronautical Information Manual</a>		
Aeronautical Decision Making	Human Factors	Aeromedical
<b>PLT334</b>		
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
Human Factors	Aeromedical	Spatial Disorientation
<b>PLT354</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
Navigation	Radio	GPS
<a href="#">FAA-H-8083-15 - Instrument Flying Handbook</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#">FAA-H-8083-16 - Instrument Procedures Handbook</a>		
IFR Navigation and Approaches	Navigation Systems	GPS
<a href="#">FAA-H-8083-6 - Advanced Avionics Handbook</a>		
Flight Operations	Approach	GPS
<b>PLT370</b>		
<a href="#">Aeronautical Information Manual</a>		
AIM IFR Information	ATC Procedures	Departure restrictions
IFR Flight Operations	IFR	IFR altitudes
Instrument Procedures	Air Traffic Control	ATC Clearance
<b>PLT379</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Alternate Airport
<b>PLT382</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Takeoff / Landing - IFR
<b>PLT391</b>		
<a href="#">Aeronautical Information Manual</a>		
Flight Operations	Emergency Procedures	Lost Communications
<b>PLT403</b>		
<a href="#">Aeronautical Information Manual</a>		
IFR Flight Operations	IFR	ATC communications
<b>PLT409</b>		
<a href="#">14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</a>		
Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT411</b>		
<a href="#">14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</a>		
Regulations IFR	14CFR Part 61	Limitations
<b>PLT413</b>		
<a href="#">14 CFR part 91 General Operating and Flight Rules</a>		
Regulations IFR	14CFR Part 91	Fuel Requirements

<b>PLT429</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Regulations IFR	14CFR Part 91
	Instrument/Equipment Requirements	
<b>PLT442</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	Regulations IFR	14CFR Part 61
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Regulations IFR	14CFR Part 61	Logging Instrument Flight Time
<b>PLT443</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Regulations IFR	14CFR Part 91
	Safety Plot Requirements	
<b>PLT444</b>		
<a href="#"><u>Aeronautical Information Manual</u></a>	Instrument Procedures	Air Traffic Control
	ATC Clearance	
<b>PLT445</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Regulations IFR	14CFR Part 91
	Preflight Action	
<b>PLT448</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	Regulations IFR	14CFR Part 61
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<b>PLT451</b>		
<a href="#"><u>14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors</u></a>	Regulations IFR	14CFR Part 61
	Limitations	
<b>PLT455</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Regulations IFR	14CFR Part 91
	Clearance / Fight Plan	
<b>PLT492</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
	Temperature	
<b>PLT495</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
	Thunderstorms	
<a href="#"><u>FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge</u></a>	Weather Information	Meteorology
	Thunderstorms	
<b>PLT508</b>		
<a href="#"><u>14 CFR part 91 General Operating and Flight Rules</u></a>	Regulations IFR	14CFR Part 91
	Altimeter System Test	
Regulations IFR	14CFR Part 91	VOR Check
<a href="#"><u>Aeronautical Information Manual</u></a>	Navigation	Radio
	VOR Check	
<b>PLT510</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
	Wind	
<b>PLT511</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
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Weather Information	Meteorology	Stability
<b>PLT516</b>		
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
	Wind	
<b>PLT518</b>		
<a href="#"><u>AC 00-45 - Aviation Weather Services</u></a>	Weather Information	Meteorology
	Windshear	
<a href="#"><u>AC 00-6 - Aviation Weather</u></a>	Weather Information	Meteorology
	Windshear	
<a href="#"><u>Aeronautical Information Manual</u></a>	Weather Information	Hazardous
	Microburst	
<a href="#"><u>FAA-H-8083-15 - Instrument Flying Handbook</u></a>	Weather Information	Meteorology
	Windshear	